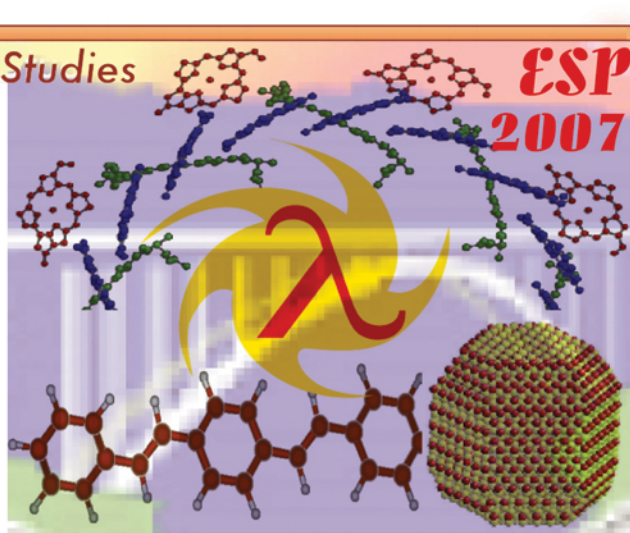


Excited State Processes in Electronic and Bio Nanomaterials

October 1-4, 2007
Santa Fe, New Mexico, USA



During the past 15 years, extraordinary experimental advances have made the manipulation and fabrication of structures at the nanoscale possible. Parallel developments of theoretical and simulation capabilities aim to achieve quantitative understanding and prediction of fundamental physical properties of these materials. This interdisciplinary workshop will provide an open forum for active interactions between researchers from different subfields.

The scope of the conference is a variety of excited state phenomena in technologically important materials and biosystems, including size-dependent and time-dependent electronic interactions, excited state dynamics, quantum confinement, and carrier transport, emphasizing similarity of the phenomena rather than specifics of the systems.

Topical areas:

- Organic polymers and nanotubes: ultrafast processes and functional devices;
- Organo-metallic complexes: excited state potentials and photocatalysis;
- Semiconductor nanocrystals: from novel structures to novel physical phenomena;
- Biosystems: conformations, energy/charge transport, spectroscopy and photosynthesis.

<http://cnls.lanl.gov/~esp>
conferences@cnls.lanl.gov

Location:
The Lodge at Santa Fe



Organizing Committee:

Sergei Tretiak, Avadh Saxena, and Richard L. Martin

Scientific Advisors:

Alan R. Bishop, Andrew P. Shreve, and Victor I. Klimov

Speakers:

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Rick Averitt
Boston University
Phaedon Avouris
IBM
Mookie Baik
Indiana University
David Beratan
Duke University
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